ePhoto CL50
User's Guide

AGFA

FCC Information

FCC WARNING: This equipment meets the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. Only the power pack and cable supplied with the camera should be used. Operation with other power packs and cables is likely to result in interference to radio and TV reception and could void the user's authorization to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment.

User Information

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Canadian Radio Interference Regulations Statement

This Class B digital device meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe B respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

1-Year Limited Hardware Warranty

Agfa warrants this product to be free from defects of material and workmanship for one (1) year from the date of purchase. During the warranty period, Agfa will repair or replace, at its option, the product at no charge to the customer. The replacement unit may be a remanufactured unit or a unit of equal or greater functionality. After one (1) year, Customer shall pay for all parts, labor and service.

Agfa warrants that software products will conform to published specifications in effect at the time of delivery for 90 days after purchase. Customer acknowledges that the Software may have inherent defects because of its complexity. The warranty applies only to the media on which the software is recorded.

If a unit is replaced during the warranty period, the original warranty shall remain in effect until the end of the one (1) year period or shall be 30 days, whichever is longer.

This warranty is transferable with new owner notification to Agfa.

This warranty shall not apply if Customer:

1. abuses or modifies Product or Software;
2. operates the system in an environment with excessive dirt, moisture, chemical fumes, extremes of temperature or other improper conditions. The camera is not impermeable to water, dust or sand.
3. supplies other Software or Interfacing.
4. Uses any adapter other than the Agfa ePhoto AC adapter.

Warranty service is excluded if the serial number of the product has been tampered with or removed.

THE PARTIES AGREE THAT ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANT-ABILITY AND NON-INFRINGEMENT, ARE EXCLUDED.

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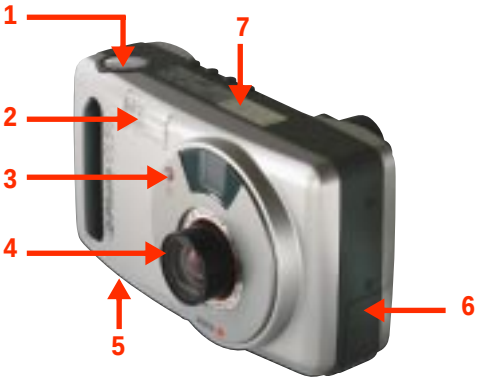
INTRODUCTION

Your ePhoto CL50 takes high quality digital pictures—and it's easy to use. Just point and click, like a conventional camera. In addition, you can:

- Frame images with the optical viewfinder or color LCD, and quickly change the automatic settings.
- Take pictures and view them immediately on the LCD or a TV. Or transfer pictures to a computer and use them on the Web, in email or multimedia. No need to scan pictures.
- Keep only your best shots and delete the rest immediately.
- Add a voice memo or sound to each picture.
- View your pictures as a slide show on the camera's LCD.
- Shoot up to 10 shots at 1/2 second intervals with burst mode.
- Tag shots for creating panoramas and then "stitch" them together with PhotoWise (included).
- Store pictures on a removable, reusable SmartMedia memory card — up to 96 pictures, depending on the resolution.
- Designate pictures for print and then bring the memory card to a photo shop or minilab to have the pictures developed.

CAMERA PARTS



1. **Shutter Button:** See *Shutter Button* on page 13.
2. **Built-in Flash:** With 4 settings. Controlled by the Flash button or a menu.
3. **Viewfinder:** Frames pictures.
4. **Auto Focus Retractable Glass Lens:** Provides up to 3x optical zoom.
5. **Battery Compartment:** See *Batteries* on page 11.
6. **Port Compartment:** Holds the SERIAL, POWER (AC adapter) and VIDEO OUT ports.
7. **Status Display:** See *Status Display* on page 14.

8. **SunCatcher™:** Uses sunlight to enhance the view on the color LCD and to conserve battery power.
9. **Microphone:** See *Recording Sound* on page 34.
10. **LCD ON/OFF Switch:** See *LCD ON/OFF Switch* on page 13.
11. **Color LCD:** Displays live or captured images and the camera's menus.
12. **Information Button, ▲/▼ Button, OK Button:** See *Navigating the Menus* on page 12.
13. **Memory Card Compartment:** See *Memory Cards* on page 9.
14. **Mode Switch:** See *Mode Switch* on page 12.
15. **Zoom Buttons:** See *Zoom Buttons* on page 12.
16. **Resolution Button:** See *Resolution Button* on page 18.
17. **Flash Button:** See *Flash Button* on page 18.
18. **QuickReview Button:** See *QuickReview Button* on page 16.
19. **Macro/Self Timer Button:** See *Macro/Self-Timer Button* on page 17.

MEMORY CARDS

The ePhoto CL50 has no internal memory. All pictures are stored on removable memory cards. These cards are available in 2 MB, 4 MB, 8 MB and 16 MB sizes.

The ePhoto CL50 accepts only 3.3 volt SSFDC or SmartMedia™ removable memory cards.

Inserting a Memory Card

To insert a memory card:

1. Open the memory card door.

The camera automatically turns off when you open the door.

2. Insert the memory card (included) and push it all the way into the slot. The card can only be inserted one way.
3. Close the door.

Memory Card Capacity

Your camera comes with one 8 MB memory card, whose storage capacity depends on the resolution of the images. For more information, see *Resolution Button* on page 18.

Memory cards can store images in any combination of resolutions.

Memory Card Conditions

Certain memory card conditions are indicated on the color LCD from time to time.

Icon	Description
	(Flashing red icon) No memory card has been inserted.
	(Flashing red icon) The memory card is the wrong type or is unreadable. To reformat the card, press ▲/▼ to select **YES** and then press OK. **Note:** Selecting **YES** erases any data stored on the memory card.
	(Flashing black icon) The memory card is full. To take more pictures, do one of the following: ◗ Insert a new memory card. ◗ Lower the resolution. See *Resolution Button* on page 18. ◗ Transfer the pictures to your computer. See *Transferring Images into Your Computer* on page 43. ◗ Delete some or all of the images. See *Deleting Images* on page 33.

BATTERIES

For best results, use batteries of the following types:

Battery Type	Average Pictures Per Charge	Notes
Lithium	1600	Recommended: Energizer® Hi Energy Lithium.
NiMH	750	Rechargeable.
Alkaline	500	Use only brands specifically made for "high-drain" devices (e.g., Duracell ULTRA®).

Battery life can be greatly extended by using the viewfinder (not the LCD) to frame images and the optional Agfa AC adapter to power the camera.

To install the batteries:

- Slide the Mode switch to OFF.
- Push the button on the battery compartment door and slide the door towards the front of the camera to open it.
- Insert the four batteries as shown in the battery compartment.
- Close the battery compartment door.

Battery Conditions

The battery icon is displayed on the Status Display and, when you press , on the color LCD. Segments disappear as power is used. When only an outline displays, replace the batteries as soon as possible. A flashing icon indicates that the batteries are empty. You cannot use the camera until you replace the batteries.

CONTROLLING THE CAMERA

Mode Switch

Slide the Mode switch to select:

- **REC** — to turn on the camera and take pictures.
- **PLAY** — to turn on the camera and view or delete stored images.
- **OFF** — to turn off the camera.

You can interrupt the camera's startup process by switching between modes or by switching to OFF.

When the ePhoto CL50 is not connected to a computer, the camera turns off (sleeps) after 60 seconds (REC) or 5 minutes (PLAY) of inactivity. To turn the camera back on in either mode, press ⓘ. To change the sleep delay, see *Preferences* on page 29.

Navigating the Menus

Press the OK and ▲/▼ buttons to use the menus:

- Display — Press OK or ▲/▼ to display the icon menu.
- Scroll — Press ▲/▼ to scroll from one menu option to another.
- Select — Press OK to select a menu option.

You can exit the menu any time by pressing ⓘ.

Zoom Buttons

Press the zoom buttons as follows:

- **REC** — to zoom the lens in (T) or out (W).
- **PLAY** — in single-image view, to scroll through the images.

LCD ON/OFF Switch

When you want to use the color LCD as a viewfinder in REC mode, slide the LCD ON/OFF button to ON.

Shutter Button

The shutter button has two positions. Press the shutter button:

- **Halfway** — to lock the camera's focus and calculate the exposure.
- **All the way** — to take a picture.

The camera sets the auto focus and calculates exposure, so there may be a slight delay before the picture is taken.

Information Button

Press ⓘ repeatedly to display information on the color LCD. In REC and PLAY mode, it displays the current data and time, and the battery status.

In REC mode, the LCD also displays:

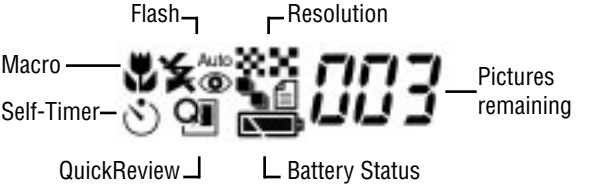
- total pictures taken (e.g., 2 ▼)
- pictures remaining (e.g., 34 ▲)

In PLAY mode, the LCD also displays:

- number of the image and total pictures stored (e.g., 5/ 14)
- title of picture (e.g., AGF00005)
- resolution and flash setting

STATUS DISPLAY

The Status Display is the black and white LCD on top of the camera.



It displays information about your camera and the settings you selected with the four buttons that are next to the display.

- Battery status — See *Batteries* on page 11.
- Flash setting — See *Flash Button* on page 18.
- Macro/Self-Timer — See *Macro/Self-Timer Button* on page 17.
- QuickReview — See *QuickReview Button* on page 16.
- Pictures remaining — Number of pictures that can be taken at the current resolution setting. If there's a problem, you see:
  - EEE — Bad card. Replace the memory card.
  - o-o — No card. Insert a memory card.
  - -P- — Protected card. Remove the write-protect tab.
  - 00 — Card full. See *Memory Cards* on page 9.
- Resolution setting — See *Resolution Button* on page 18.

TAKING PICTURES

Like a conventional camera, the ePhoto CL50 has a viewfinder. You can also frame the image on the color LCD. Before you can take pictures, install the batteries and a removable memory card.

To take pictures:

1. Slide the Mode switch to REC.
2. If you want to view the image on the color LCD, slide the LCD ON/OFF switch to ON.

   When taking a picture in bright sunlight, open the SunCatcher (above the color LCD). This enhances the view on the LCD and conserves battery power.
3. Use the zoom buttons (**T** to zoom in and **W** to zoom out) to frame your picture.
4. Select your settings. See *Changing Settings on the Color LCD* on page 20.
5. Press the shutter button halfway to lock the focus and set the exposure. Press it all the way down to take the picture.

The Ready light turns red and blinks. If the LCD is on, it displays a progress bar as the image is processed. After a few seconds, the camera is ready for the next shot.

If the QuickReview option is on, the color LCD displays a menu as the image is processed. See QuickReview Button on page 16.

CHANGING BASIC SETTINGS

You can change some basic settings using the four buttons on top of the camera. Icons for these settings appear on the Status Display.

QuickReview Button

After you take a picture, the QuickReview option lets you discard the picture, share it (keep the picture on the color LCD), or record sound—without switching to PLAY.

To turn on QuickReview:

- Press the QuickReview button on top of the camera to turn the option on or off.

Icon	Setting Selected
	QuickReview on

To discard an image during processing:

1. During processing, press ▲ to select **Discard**.
2. Press OK. Processing stops.
3. Press ▲ to select **Discard image**.
4. Press OK. The image is deleted.

*If you change your mind, select **Continue** to keep the image.*

To share the image with others:

1. During processing, press ▲ to highlight **Share**. The image remains on the screen after it is processed.
2. When you are ready, press ⓘ to continue taking pictures.

To record sound with an image:

1. During processing, press ▲ to select **Voice memo**. When processing is completed, you see the prompt **Record sound?**
2. Press OK to record your message (up to 10 seconds). Speak into the microphone, which is next to the color LCD. A progress bar shows how much time you have left to record.
3. At the end of the recording, a confirmation screen appears. Select **Save** to keep the recording or **Exit** to leave the menu without saving the recording.

You can listen to the sound after you connect the camera to a TV or transfer the image to a computer. You can also add a recording or change it after you capture the image. See Zooming in on an Image on page 34.

Macro/Self-Timer Button

To turn on Macro mode or the self-timer:

- Press the Macro/Self-Timer button repeatedly to select the desired option:

Icon	Setting Selected
	Macro on: used for close-up, detailed shots.
	Self-timer on: delays the shutter after you press the shutter button so that you can, for example, set the camera and join the picture.

To take a picture with the self-timer:

- Press the Self-timer button before taking the picture. The default is 10 seconds. To change the default, see *Preferences* on page 29.

Flash Button

The Flash button controls the built-in flash. You can also change the flash setting by using a menu on the color LCD (see page 21).

To select a flash setting:

- Press the Flash button repeatedly to select:

Icon	Setting Selected
	Automatic: the camera determines when to use the flash
	Fill in: flash is always used
	Off: no flash is used
	Red-eye: controlled pre-flashing is used to reduce the "red-eye" effect

Resolution Button

The Resolution button selects from five settings. You can also change the resolution setting using a menu on the color LCD. See *Resolution* on page 20.

To select a resolution setting:

- Press the Resolution button repeatedly to select:

Icon	Setting Selected
	1600 x 1200 pixels: very low compression utilizing PhotoGenie™ technology during transfer to computer (ideal for printing photo-quality images) **Maximum 8 MB card capacity:** 12 images*

Icon	Setting Selected
	1280 x 960 pixels: CCD resolution, low compression **Maximum 8 MB card capacity:** 24 images*
	640 x 480 pixels: normal compression (ideal for posting images on the Web) **Maximum 8 MB card capacity:** 96 images*
	1280 x 960 pixels: optimal compression for saving in black and white mode
	Burst mode: hold down the shutter button to take continuous shots at 1/2 sec. intervals for up to 10 shots (640 x 480 resolution only). The flash and QuickReview are not available in this mode.
* Depending on the complexity of the images stored, the memory card capacity may be up to 20% higher.	

Changing Settings on the Color LCD

You can change most of the camera settings with the icon menu that displays on the color LCD. Some of the settings can also be changed using the buttons on top of your camera. See *Changing Basic Settings* on page 16.

The resolution and flash settings remain in effect until you change them, even after you turn the camera off.

To change a setting on the color LCD:

1. Slide the LCD ON/ OFF switch to ON.
2. Slide the Mode switch to REC.
3. Press OK. A column of green icons appears.
4. Press ▲/▼ to highlight an icon.
5. Press OK to select the icon.
6. Press ▲/▼ to highlight an icon or option.
7. Press OK to select the setting.

You can exit the menu any time by pressing ⓘ.

Resolution

The ePhoto CL50 provides five resolution settings. You can also change the resolution setting by using a button on top of the camera. For details on the settings, see *Resolution Button* on page 18.

Icon	Setting Selected
	1600 x 1200 pixels
	1280 x 960 pixels

Icon	Setting Selected
	640 x 480 pixels
	1280 x 960 pixels
	Burst mode (640 x 480 pixels)

Flash

The ePhoto CL50 provides four flash settings. You can also change the flash setting by using a button on top of the camera. For details on the settings, see *Flash Button* on page 18.

Icon	Setting Selected
	Automatic
	Fill in
	Off
	Red-eye

Digital Zoom

The digital zoom feature on the ePhoto CL50 lets you zoom into the center of the picture to create a 640 x 480 pixel image.

Setting	Description
	1x: digital zoom is off (default).

Setting	Description
	2x: digital zoom is applied. This option automatically sets the resolution to 640 x 480.

Preview

The ePhoto CL50 provides two preview settings:

Setting	Description
	Normal: shows the image as seen through the lens (default).
	Low light: displays dark scenes more brightly on the color LCD (only) so you can better see the details.The actual image you capture may look different, depending on which flash and other settings you use.

With the normal preview setting, the image on the LCD moves smoothly as you move the lens. In low light mode, the image appears jerky as the camera slows down the video capture to collect more light.

Panorama

You can use the ePhoto CL50 to take pictures in sequence to form a panorama.

Setting	Description
	Panorama on: marks a sequence of pictures as part of a panorama. Displays the panorama icon on the LCD as long as Panorama mode is ON.
	Panorama off: returns to normal mode.

To include the next picture in the panorama, press the shutter button within 10 seconds. For best results, we recommend that you keep the camera level by placing it on a tripod and overlap each picture with the previous one by about 50%.

Advanced Settings

The last icon is for advanced settings. See *Changing Advanced Settings* on page 24.

CHANGING ADVANCED SETTINGS

You can change advanced settings with the icon menu that displays on the color LCD. For details on changing other settings on the color LCD, see *Changing Settings on the Color LCD* on page 20.

To change an advanced setting on the color LCD:

1. Slide the Mode switch to REC.
2. Press OK. A column of green icons appears on the color LCD.
3. Press ▼ to highlight the icon.
4. Press OK. The Advanced menu appears.

*You can exit the menu by selecting **Exit** or pressing .*

Tips on Using the Advanced Menu

- The **Automatic** option restores all settings to their defaults.
- Use the **Exit** option or to exit the menu without making any changes.
- You can set the camera to remember all advanced settings after the camera is powered off. See *Preferences* on page 29.
- For manual settings, a small icon is displayed on the right-hand side of the LCD as a reminder.
- If there is no icon displayed, the camera is set to automatic.

Focus

This option allows you to choose a focal distance manually for your shots. For best results, the setting should match the distance of the subject from the lens.

Icon	Setting Selected
	Focus – ∞ (infinity): for subjects more than 16 ft (5 m) away
	Focus – 5 m: for subjects about 16 ft (5 m) away
	Focus – 2 m: for subjects about 7 ft (2 m) away
	Focus – 1 m: for subjects about 3 ft (1 m) away
	Focus – Macro: for subjects 8" to 3 ft (20 to 90 cm) away

Exposure

Use this option to adjust the lightness or darkness of an image:

Icon	Setting Selected
	Exposure: aperture value
	Exposure: manual

Before you take a picture, the ePhoto CL50 alerts you of a possible overexposure *or underexposure* *. You can, however, still take the picture.*

Aperture value

Use this "aperture priority" mode to set the aperture and allow the camera to calculate the appropriate shutter speed for the correct exposure. The possible settings are:

- Large (f/2.8 – 4.7, wide or telephoto)
- Small (f/8.0 – 13.5, wide or telephoto)
- Automatic

To set an aperture value:

1. Select **Exposure** in the Advanced menu.
2. Select **Aperture val.** in the **EXPOSURE** menu.
3. Select your desired aperture.

Manual

Use this option to manually increase or decrease the exposure of an image.

To set the exposure manually:

1. Select **Exposure** in the Advanced menu.
2. Select **Manual** in the **EXPOSURE** menu. A sliding bar displays on the right side of the color LCD.
3. Press ▲/▼ to increase/decrease the exposure. The exposure changes as you scroll.

   *The **A** setting indicates that exposure is set automatically by the camera.*

4. You can do one of the following:
   - Take pictures with the sliding bar displayed or press ⓘ to return to the automatic exposure setting and exit the menu.
   - Press OK to save the manual exposure setting for future pictures.

Metering

This option allows you to set the light-metering method that you want the camera to use when it calculates auto exposure and shutter speed. You can select:

- **Center-weighted** — measures the light in the entire frame and assigns the greatest weight to an area in the center of the frame. This is the default.
- **Matrix** — measures the light in 64 different areas of the frame and selects an exposure that in most conditions best captures both brightly lit and shaded portions of the image.
- **Spot** — measures only a small spot at the center of the frame.

To select a metering method:

1. Select Metering in the Advanced menu.
2. Select a metering method.

White Point

This option lets you manually adjust the color balance of an image so that the colors appear natural in any light. You can use a preset white point or set the white point manually.

Icon	Setting Selected
	Sunny: use outdoors on sunny days.
	Cloudy: use outdoors on overcast days
	Tungsten: use indoors in normal, incandescent light
	Fluorescent: use indoors in fluorescent light.

Icon	Setting Selected
	Manual: use adjust the color balance manually.

To use a preset white point:

1. Select **White point** in the Advanced menu.
2. Select automatic, sunny, cloudy, tungsten, or fluorescent.

To set the white point manually:

1. Select **White point** in the Advanced menu.
2. Select **Manual**. A message prompts you to aim the camera at the desired white point.
3. Aim the camera at a white area, and press OK. A confirmation screen appears.

   For best results, use a reflective white surface, such as a card, that fills the LCD entirely.
4. To save the white point, select **Yes**. To ignore the white point and return to the camera's automatic white balance, select **No**.

The image on the LCD changes to reflect the new white point.

External Flash

Your ePhoto CL50 can be used with any external flash equipped with a white light slave sensor. The external flash is triggered by a low-power burst of light from the camera's built-in flash. The external flash settings are:

- Small 1/200
- Large 1/200
- Small 1/100
- Large 1/100

- Off

The sizes refer to the aperture size, and the times (in seconds) indicate the shutter speed.

To use an external flash:

1. Select **Ext. flash** in the Advanced menu.
2. Select a large or small aperture based on these ranges:

   Large: f/2.8 – 4.7, wide – telephoto

   Small: f/8.0 – 13.5, wide – telephoto
3. Select your shutter speed based on these criteria:

   1/100: High-energy type external flash (typically over 1500 watts)

   1/200: Low-energy type external flash (typically under 1500 watts)
4. Adjust the power settings of the external flash while taking pictures to find the proper exposure.

For best results with your equipment, experiment with different aperture, shutter speed, and external flash settings.

*Selecting **Off** returns the camera to automatic exposure.*

Preferences

This option lets you save all advanced settings, even after the camera is turned off, and set the self-timer delay, the date and time, and sleep delay.

Save Advanced Settings

To save your Advanced settings:

1. Set the Advanced settings as desired.
2. Select **Preferences** in the Advanced menu.

3. Select **Save advanced settings?** in the **PREFERENCES** menu. A confirmation screen appears.
4. Select **Yes** to save the settings.

Self-Timer Delay

This option sets the time the shutter delays after you press the shutter button. Select one of the following options:

- **10 Sec.** — 10-second shutter delay
- **5 Sec.** — 5-second shutter delay

To set the self-timer delay:

1. Select **Preferences** in the Advanced menu.
2. Select **Self-timer** in the **PREFERENCES** menu.
3. Select your desired delay time and press OK.

Date & Time Format

Use this option to set the format for the date & time:

- DD/MM/YY (day/month/year)
- MM/DD/YY (month/day/year)
- YY/MM/DD (year/month/day)

To set the date & time format:

1. Select **Preferences** in the Advanced menu.
2. Select **Date & Time** in the **PREFERENCES** menu.
3. Select the desired format.

Sleep

Use this option to set the period of inactivity after which the ePhoto CL50 powers down automatically. The possible delays are:

- **REC** — 30, 60 (default), 90 or 120 seconds
- **PLAY** — 1 to 10 minutes. The default is 5minutes.

To set the sleep delay:

1. Select **Preferences** in the Advanced menu.
2. Select **Sleep** in the **PREFERENCES** menu. The **SLEEP** menu appears with the REC sleep delay underlined.
3. Press ▲/▼ until the desired delay appears.
4. Press OK to set the REC sleep delay and move to the PLAY sleep delay.
5. Press ▲/▼ until the desired delay appears.
6. Press OK to set the PLAY sleep delay and exit the menu.

Date & Time

Each image is tagged electronically with the date and time it was taken. So it is important to make sure the date and time are set properly.

To set the date and time:

1. Select **Date & Time** in the Advanced menu. The **SET DATE & TIME** screen appears with the month underlined.
2. Press ▲/▼ until the desired month appears.
3. Press OK to set the month and move to the day.
4. Continue to press ▲/▼ and OK to set the date and time.
5. Press OK to confirm the date and time or select **Exit** to leave them unchanged.

You can exit the menu any time by pressing ⓘ.

Automatic

The **Automatic** option in the Advanced menu restores all the camera's advanced settings to their automatic defaults.

WORKING WITH CAPTURED IMAGES

You can use the ePhoto CL50 PLAY mode to view and work with captured images in three different views:

- Single-Image
- Multi-Image
- Slide Show

To select a view:

1. Slide the Mode switch to PLAY. The color LCD displays the last picture taken, in single-image view.
2. To select another view, press OK. A column of green icons appears on the LCD with the icon highlighted.
3. Press OK to display the view icons
4. Press ▲/▼ to highlight the desired view.
5. Press OK.

Using Single-Image View

Scrolling through the Images

To scroll through captured images:

1. Press the zoom buttons (**T** for forward, **W** for backward).

   If you are viewing one image at a time, it is helpful to display the image counters and other information about the picture. See Information Button on page 13.

2. When you reach the last image, as indicated by the counter (e.g., **3/3**), you can scroll further to go back to the first image. You can scroll this way in a continuous loop.

Deleting Images

To delete images:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press OK. The **DELETE PICTURES** menu appears.
4. Select the desired option:
   - **Current** — to delete a single image.
   - **Multiple** — to delete more than one image.
   - **All** — to delete all images.
   - **Reformat** — to delete all images and reformat the memory card.
   - **Exit** — or press to leave the menu without deleting any images.
5. If you select **Current** or **All**, a confirmation screen appears. Select **Yes** to delete the image(s), **No** to return to the **DELETE PICTURES** menu, or **Exit** to leave the menu without deleting any images.

   *If the arrow jumps to **No** without deleting the image(s), the image is locked. To unlock an image, see Locking/Unlocking Images on page 33.*
6. If you select **Multiple**, a confirmation screen appears. Select **Yes** to delete the image and display the next image, **No** to return to the **DELETE PICTURES** menu, **Exit** to leave the menu without deleting any images, or use the zoom buttons to scroll through images and delete.

Locking/Unlocking Images

To lock/unlock images in single-image mode:

1. Press OK. A column of green icons appears on the color LCD.

2. Press ▼ to highlight the icon. The **LOCK/UNLOCK** menu appears.
3. Select the desired option:
   - **Lock/Unlock** — to lock/unlock the current image.

     You can use the zoom buttons to scroll through images to lock/unlock.
   - **Lock all** — to lock all images.
   - **Unlock all** — to unlock all locked images.
   - **Exit** — to leave the menu without locking/unlocking any images.
4. If you select **Lock all** or **Unlock all**, a confirmation screen appears. Select **Yes** to lock/unlock the images and exit the menu, or **No** to return to the **LOCK/UNLOCK** menu.

Zooming in on an Image

The camera's digital 2x zoom allows you to zoom in on the center of an image.

To zoom in on an image digitally:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press ▲ to highlight the icon.
4. Press OK. The center of the image fills the color LCD. The digital zoom is indicated by the icon on the image.

Recording Sound

You can add a recording to an image or overwrite an existing recording.

To record sound with an image:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press OK.

   If sound has already been recorded with the image, a confirmation screen asks if you want to overwrite it.

4. Press OK to record your message (up to 10 seconds). Speak into the microphone, which is next to the color LCD. A progress bar shows how much time you have left to record.
5. At the end of the recording, a confirmation screen appears. Select **Save** to keep the recording or **Exit** to leave the menu without saving the recording.

   You can listen to the sound after you connect the camera to a TV or transfer the image to a computer.

Printing Images

You can tag the images you want to print and specify how many copies you want of each (in single-image view only).

To tag images for print:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press OK. The **DPOF PRINT** menu appears.
4. Select the desired option:
   - **Print Image** — to tag individual images for printing.
   - **Print all** — to tag all images for printing.
   - **Index print** — to tag all images for print as thumbnails.
   - **Cancel all** — to remove all print tags from the images.

- **Exit** — to leave the menu without saving the print tags.

5. If you select **Print Image**, the **PRINTS** menu appears. Select the desired option:
   - **Single** — to print one copy of the image. The number of copies you specified and the printer icon appear on the image.

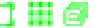
     If the image is already tagged for printing, the print icon is removed.

   - **Multiple** — to print more than one copy of an image. On the MULTIPLE screen, press ▲/▼ to increase/decrease the number and then press OK.
6. If you select **Print All** or **Index print**, a confirmation screen appears. Select **Yes** if you want to print all images or the thumbnails, or **No** if you do not want to print any images or the thumbnails.
7. If you select **Cancel All**, a confirmation screen appears. Select **Yes** to remove all print tags or **No** to retain the print tags.

Using Multi-Image View

Viewing Images

To view multiple images at one time:

1. Press OK. A column of green icons appears on the color LCD.
2. Press OK again to display the view icons 
3. Press ▼ to highlight the icon.
4. Press OK. The LCD displays up to 9 numbered thumbnails, with the current image selected (outlined by a white frame).

   You cannot display the image counters and date and time in multi-image mode.

5. Press ▲/▼ to scroll through the thumbnails. When you reach the last thumbnail on the screen, you can scroll further to add a new row of thumbnails to the screen (if there are more than 9 images). You can scroll this way in a continuous loop.

Deleting Images

You can mark one image at a time and then delete the marked image(s), or you can delete all of the images at once.

To delete images in multi-image mode:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press OK. The **DELETE PICTURES** menu appears.
4. Select the desired option:
   - **Mark & Delete** — to select an image to delete.
   - **All** — to delete all of the images.
   - **Exit** — to leave the menu without deleting any images.
5. If you select **Mark & Delete**, press ▲/▼ to scroll to the image you want to delete and then press OK. The DELETE PICTURES menu appears. Select the desired option:
   - **Mark/Unmark** — to mark an image for deletion with a red **X** or to remove the deletion mark from the image.

     *If you see the word **Protected** instead of **Mark**, the image is locked. To unlock the image, see the next section.*
   - **Next**— to select another image for deletion.
   - **Done**— to exit the menu. If you marked images for deletion, a confirmation screen appears. Select **Yes** to delete all of the images marked for deletion, **No** to mark an additional image, or **Exit** to remove all deletion marks.

Locking/Unlocking Images

To lock/unlock images:

1. Press OK. A column of green icons appears on the color LCD.
2. Press ▼ to highlight the icon.
3. Press OK. The **LOCK/UNLOCK** menu appears.
4. Select the desired option:
   - **Lock/Unlock** — to select an image to lock/unlock.
   - **Lock all** — to lock all images.
   - **Unlock all** — to unlock all locked images.
   - **Exit** — to leave the menu without locking/unlocking any images.
5. If you select **Lock/Unlock**, press ▲/▼ to scroll to the image you want to lock/unlock and then press OK. The LOCK/UNLOCK menu appears. Select the desired option:
   - **Lock/Unlock** — to lock/unlock the image.
   - **Next** — to select another image.
   - **Done** — when you are finished locking/unlocking images.
6. If you select **Lock all** or **Unlock all**, a confirmation screen appears. Select **Yes** to lock/unlock all of the images and exit the menu, or **No** to return to the **LOCK/UNLOCK** menu.

Printing Images

You can specify which images you want to print and then bring the memory card to a photo shop or minilab to have the photos developed. If you want to specify how many copies to print, use single-image view.

To tag images for print:

1. Press OK. A column of green icons appears on the color LCD.

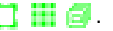
2. Press ▼ to highlight the icon.
3. Press OK. The **DPOF PRINT** menu appears.
4. Select the desired option:
   - **Print Image**— to tag individual images for printing.
   - **Print all** — to tag all images for printing.
   - **Index print**— to tag all images for print as thumbnails.
   - **Cancel all**— to remove all print tags from the images.
   - **Exit** — to leave the menu without saving any print tags.
5. If you select **Print Image**, press ▲/▼ to scroll through the images and then press OK. The **PRINT** menu appears. Select the desired option:
   - **Print/Cancel**— to remove the print tag from the image.
   - **Next**— to select another image for print.
   - **Done** — to exit the menu.
6. If you select **Print all**, a confirmation screen appears. Select **Yes** to tag all images for print or **No** to remove all print tags.
7. If you select **Index Print**, a confirmation screen appears. Select **Yes** to print an index or **No** if you do not want to print an index.
8. If you select **Cancel all**, a confirmation screen appears. Select **Yes** to remove all prints tags or **No** if you want to retain all print tags.

Using Slide Show View

When you select **Slide Show**, the camera automatically begins showing all of the captured images.

To change the slide show settings:

1. Press OK. A column of green icons appears on the color LCD.

2. Press OK again to display the view icons  .
3. Press ▼ to highlight the icon. The slide show starts.
4. If you want to interrupt the slide show, press OK. The **SLIDE SHOW** menu appears. Select the desired option:
   - **Settings** — to change the slide show settings.
   - **Resume** — to run the slide show with the current settings.
   - **Exit** — to stop the slide show.
5. If you select **Settings**, the **SETTINGS** menu appears. Select the desired option:
   - **Interval** — to select a delay time between images. On the **INTERVAL** screen, press ▲/▼ to select a delay time (6-20 seconds) and then press OK.
   - **Duration** — to select how many times to play the slide show. On the **DURATION** screen, press ▲/▼ to select **One cycle**, __ **cycles** (and then press OK and ▲/▼ to change the number), or **Continuous**. Then press OK.
   - **Order** — to select the sequence of images in the slide show. On the **ORDER** screen, press ▲/▼ to select **Forward** or **Reverse** to display the images from the current image forward or backward, or **Select start/end** and then press ▲/▼ to select the first image, last image, forward or reverse. Then press OK.

When you connect the camera to a TV or computer and play the slide show, you can also hear any sound that you recorded with an image.

USING THE CAMERA WITH A TV

You can connect the ePhoto CL50 to a television via the video cable (included) so you can view captured images or take pictures. As you view the images, you can also listen to any sound recorded with an image.

Your camera is either PAL or NTSC compliant, as marked on the outside of the box. The video cable works with any type of television.

To conserve batteries, use the optional AGFA AC adapter when you connect the camera to a TV.

To view images on a TV:

1. Turn off the ePhoto CL50.
2. Plug the single-plug end of the video cable into the VIDEO OUT port on the camera. The other end of the video cable has two plugs, which you connect to the video and audio inputs on a TV (see steps 3 - 4).
3. Plug the VIDEO OUT end of the video cable into the video input jack on the TV.
4. Plug the AUDIO OUT end of the video cable into the audio input jack on the TV.
5. Turn the camera on to PLAY or REC. The TV screen takes the place of the camera's color LCD (which no longer functions).

For information on using external devices with your TV, see the documentation for your television set.

USING THE CAMERA WITH A COMPUTER

You use PhotoWise software to transfer images from your ePhoto CL50 to a computer, edit the images, and "stitch" panoramas.

Checking System Requirements

IBM PCs and Compatibles

- 486 processor (Pentium® recommended)
- Windows 95 or Windows NT (3.51 or later)
- 16 MB RAM
- 50 MB available hard disk space
- VGA monitor with support for at least 256 colors
- 2x CD-ROM drive (required for installation)
- 9-pin RS-232C serial port

Macintosh

- System 7.5.3 or higher
- 68040 processor (PowerPC™ recommended)
- 16 MB RAM
- 50 MB available hard disk space
- Color monitor with support for at least 256 colors
- 2x CD-ROM drive (required for installation)
- Printer or modem port

Installing PhotoWise Software

Install PhotoWise software from the PhotoWise CD (included). This process installs the software and two documents in Adobe Acrobat .pdf format: *PhotoWise Tips* and a copy of this user's guide.

Connecting to Your Computer

To connect the camera to your computer:

1. Turn off the ePhoto CL50.
2. Plug at one end of the serial cable (included) into the SERIAL port on your camera.
3. Depending on your operating system:

Plug the other end of the cable into a serial port on your computer.

Connect the other end of the cable to the Mac adapter cable (included). Then plug the adapter into your Mac's printer or modem port.

Transferring Images into Your Computer

You use PhotoWise to transfer images from the ePhoto CL50 to your computer. See *PhotoWise Tips* or online help for details. As you transfer images to the computer, the images go through a special enhancement process with Agfa PhotoGenie. Processing for true 1600 x 1200 resolution is available only through PhotoGenie.

Creating Installation Diskettes for PhotoWise

Use this procedure to create diskettes so you can install PhotoWise on systems that do not have a CD-ROM drive.

Use blank, formatted diskettes when prompted and label them by number (i.e., Disk 1, 2, 3, 4).

To create PhotoWise installation floppy disks:

Windows

1. Place the PhotoWise CD in the CD-ROM drive of your computer.
2. In the **Start** menu, select **Run**.
3. In the dialog window that appears, type:

   d:mkfloppy.exe

   where **d** is the letter of your CD-ROM drive.
4. Click on **OK**.
5. Follow the prompts.

Macintosh

1. Place the PhotoWise CD in the CD-ROM drive of your computer.
2. Double-click on the **Make Floppies** application icon on the outermost level of the CD.
3. Follow the prompts.

CARE AND MAINTENANCE

Camera

To avoid the risk of electric shock, do not disassemble the camera. Refer all servicing to qualified service personnel.

To avoid the risk of fire or electric shock, do not expose the camera to rain or moisture.

- Avoid leaving the camera in the sun or in a very warm location (beach, car, etc.) for prolonged periods.
- Do not wrap the camera in cloth or plastic while it is on (heat and moisture may be trapped and damage the camera).
- Avoid using the camera in excessively cold (below 32°F/0°C) or excessively warm (above 104°F/40°C) conditions.
- When you bring the camera from a cold to a warm location, allow the camera to reach room temperature before you use it.
- If condensation develops inside the camera, stop using it immediately. Leave the camera at room temperature for a few hours to allow the condensation to evaporate.

AC Adapter

Use only the optional Agfa ePhoto AC adapter with your camera. Use of any other adapter will void your warranty and may damage the camera.

Batteries

- Before installing the batteries, slide the Mode switch to OFF.
- Use only size AA alkaline, lithium or NiMH batteries.

- Do not use batteries that show signs of leakage, corrosion or swelling, or batteries that are excessively warm.
- If necessary, clean battery contacts with a dry cloth before installation.
- Always replace all four batteries with four identical, new (or fully charged) ones.
- Dispose of used batteries promptly in a manner that complies with applicable laws.
- Keep all batteries away from children.

Memory Cards

Keep memory cards away from sources of heat, moisture and static electricity, as well as magnetic fields generated by electrical appliances such as TVs, VCRs and microwave ovens.

Cleaning the Camera

- To clean the camera lens or LCD, blow away any surface dust or dirt. Then breathe on the surface to form a mist and gently wipe it with a soft, lint-free cloth or lens cleaning tissue.
- To avoid scratching the lens, use a gentle, circular motion when wiping.
- Never use harsh or abrasive cleaners on the outside surfaces of the camera. Wipe off dust with a clean, dry cloth.

TROUBLESHOOTING

If you have a problem using your ePhoto CL50, review this section first. If you cannot find the solution to your problem here, visit Agfa on-line at **www.agfahome.com/ephoto** or check with your dealer.

Problem	Possible Cause/Solution
The camera has no power.	**The camera is turned off.** Slide the Mode switch to REC or PLAY. **The camera is inactive due to the automatic power down feature.** Press ⏻ to turn it back on. **The camera is connected to a computer (PC appears in Status Display).** The camera has power, but can be controlled only from the computer. **The batteries are too weak.** Replace them. If you are using the optional Agfa AC adapter, make sure it is securely plugged into a working outlet.
The shutter button doesn't work.	**The camera is still saving a picture.** Wait for the live image to appear on the LCD. **The camera is in PLAY.** Slide the Mode switch to REC. **The memory card is full (appears on the Status Display).** Transfer the images to your computer, delete some or all of the images, insert a different memory card or lower the resolution. **The camera is connected to a computer.** The camera can be controlled only in PhotoWise.

Problem	Possible Cause/Solution
The color LCD doesn't turn on.	**The camera is connected to a computer.** Disconnect the camera or use the camera controls in PhotoWise. **The camera is connected to a TV.** Disconnect the camera or view the images on your TV set. **The batteries are too weak.** Replace them.
The live image on the LCD appears jerky.	**The low light preview setting is selected.** This setting is used to display a dark scene more brightly to help you frame the shot. Use the setting to take a dark picture, or restore the normal preview setting.
The live image on the LCD looks brighter than it should be.	**The low light preview setting is selected.** This setting is used to display a dark scene on the LCD more brightly to help you frame the shot. Use the setting to take a dark picture, or restore the normal preview setting. **You selected an incorrect advanced exposure setting.** If the + or − icon is displayed, adjust the exposure setting or set it to automatic.
The built-in flash doesn't work.	**The flash is off.** Check the flash setting.

Problem	Possible Cause/Solution
The recorded image is blurry.	**The subject moved while you were taking the picture.** Hold the camera steady and take the picture again. **You moved the camera while you were taking a picture.** Take the picture again and hold the camera steady as you depress the shutter button. **You used the wrong focus setting.** Make sure the subject's distance from the lens and the focus setting match. The flash illuminates subjects up to a distance of only about 10 feet (2.6 m). **You manually set the shutter speed too low.** Increase the shutter speed manually.
The recorded image is too dark.	**There was not enough light.** Set the flash to the Auto or Fill-in setting. **The subject was too far away for the flash.** The flash illuminates subjects up to a distance of only about 9 feet (2.8 m). **You selected an incorrect advanced setting.** Readjust the setting or set it to automatic. You can also use PhotoWise to adjust the brightness and contrast of your image.

Problem	Possible Cause/Solution
The recorded image is too bright.	**If the flash was in the Fill-in mode, there was too much light.** Change the flash setting to Auto. **The camera was pointed directly at a bright light.** Take the picture from a different angle. You can also use PhotoWise to adjust the brightness and contrast of your image. **You selected an incorrect advanced setting.** Readjust the setting or set it to automatic. **You were too close to the subject (i.e., Macro) to use the flash.** Turn off the flash and take the picture again.
The wrong date and/or time are displayed.	**The date and time are incorrectly set.** Set the correct date and time.
PhotoWise can't find the camera.	**The camera is off.** Slide the Mode switch to PLAY or REC. **The serial cable is connected incorrectly.** Check the cable and connections. **The batteries are too weak.** Replace them. **The serial port setting is incorrect.** Your PC's serial port should be dedicated to the ePhoto CL50. If your computer is running other software in the background that periodically check the serial port (e.g., personal digital assistants), turn off those programs. **There is an internal device conflict in your computer.** Check the documentation that came with your computer or Windows.

Problem	Possible Cause/Solution
PhotoWise can't find the camera.	**The camera is off.** Slide the Mode switch to PLAY or REC. **The serial cable is connected incorrectly.** Check the cable and connections. **The batteries are too weak.** Replace them. **AppleTalk is active.** Turn off AppleTalk before using PhotoWise. **There is a port conflict.** If the serial cable is connected to the modem port, turn off any fax/modem software running in the background and disable any fax extensions. **Apple Performa 6400/ 5400:** **The serial cable may have grounding problems.** For best results, update your operating system to System 7.6.1 or higher. If you cannot update your system, disconnect the camera, reboot the computer and reconnect the camera. **G3 Mac:** Check Apple's technical support at www.apple.com for a patch. **There is an internal device conflict in your computer.** Check the documentation that came with your computer and/or Mac OS.
An image can't be deleted.	**The image is locked.** Unlock the image.

CAMERA SPECIFICATIONS

Parameter	Specifications
	Physical
Dimensions	2.8" H x 5.2" W x 2.2" D (72.2 x 131 x 55.5 mm)
Weight	10.5 oz or 300 g (without batteries)
Other	Tripod mountable (1/4" x 20, standard 35 mm photo/video)
	Optics
Lens Aperture	f/2.8 (wide) – 4.7(telephoto)
Focal Range	80 cm – infinity (standard) 20cm – 80cm (macro)
Focal Length	34 – 102 mm (35 mm equivalent)
Shutter Speed	1/2 – 1/500 seconds, automatic
ISO Rating	ISO 90
CCD Image Sensor	1/2.7" IT-CCD, 1.3M pixels
Flash	**Range:** Normal: 20 cm – 2.8 m, Macro: 20 – 80 cm **Modes:** Auto, Fill-in, Redeye, Off **GN:** 8.6
LCD	Low-temperature, 2" color, poly-silicon, TFT, 110 K pixels
	Images
Compression	EXIF 2.1(internal)

Parameter	Specifications
Resolution	— 1600 x 1200 pixels, very low compression (with PhotoGenie) — 1280 x 960 pixels, low compression — 640 x 480 pixels, normal compression — 1280 x 960 pixels, black & white mode — 640 x 480 pixels, burst mode
Color Depth	30 bits (capture), 24 bits (output) JPEG
Storage	3.3 V removable SSFDC memory cards (2 MB – 16 MB), no internal memory
Storage Capacity on 8 MB card	— 12 images (1680 x 1200) — 24 images (1280 x 960) — 96 images (640 x 480) — 24 images (black & white mode)
Power	
Source	4 AA alkaline, lithium or NiMH batteries
Battery Life (NiMH)	**Continuous play:** approx. 1 hour **Continuous record:** approx. 30 minutes
Other Source	Optional Agfa AC adapter
Operation	
Startup Time	< 3 seconds (color LCD off)
Shutter Delay Time	Approx. 300 ms, excluding auto-focus
Sequential shots (burst mode)	Up to 10 shots at 1/2 second intervals (640 x 480 resolution)
Sound recording	Up to 10 seconds per image

Parameter	Specifications
Average Image Processing Time (REC)	— 8.5 seconds(1680 x 1200) — 6.5 seconds (1280 x 960) — 4.0 seconds (640 x 480) — 6.7 seconds (black & white mode)
Average Image Display Time (PLAY)	— 7.3 seconds (1680 x 1200) — 5.9 seconds (1280 x 960) — 3.5 seconds (640 x 480) — 5.9 seconds (black & white mode)
Computer Interface	Serial, RS-232C
Transmission Speed	up to 230,400 bps
Video Output	NTSC only or PAL only (see box)
Power Down Timer	**REC:** 60 seconds **PLAY:** 5 minutes
Self Timer	5 seconds, 10 seconds, Off
Exposure	1/2 – 1/500; center-weighted, spot, matrix, manual (aperture value: large/small/automatic)
Environment	
Levelness	Can be operated at all angles
Altitude	Up to 11,800 ft (3,600 m) above sea level
Temperature	**Operating:** 32 – 104°F (0 – 40°C) **Storage:** -4 – +140°F (-20 – +60°C)
Relative Humidity	Operating: 30 – 90%, non-condensing Storage: 10 – 90%, non-condensing

For more information about the Agfa ePhoto CL50 digital camera, visit the Agfa Web site at **www.agfahome.com/ephoto**.

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